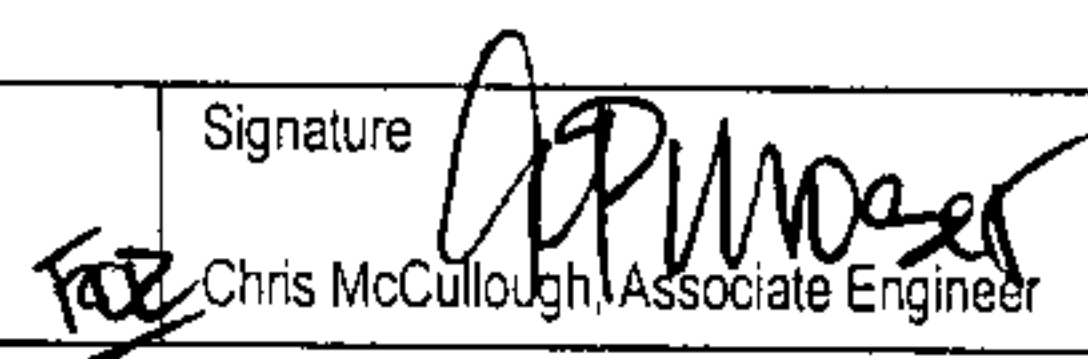


RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES  
**REPORT OF PROPERTY AND WELL TRANSFER**

Field or county    Wilmington		District - Cypress (D1)	
Former owner    Four Teams Oil Production & Exploration Company, Inc.		Opcode:    F1535	Date    August 12, 2010
<p><b>SEE ATTACHMENT</b></p>			
Name and location of well(s)			
Description of the land upon which the well(s) is (are) located			
See Attachment			
Date of transfer, sale, assignment, conveyance, or exchange 8/1/2010	New Owner E & B Natural Resources Management Corp.	Operator code E0100	Type of Organization Corporation
	Address 1600 Norris Road Bakersfield, CA 93308		Telephone No. (661) 679-1700
Reported by    OG30A received 8/11/2010 signed by both parties			
Confirmed by. Same as above			
New operator new status (status abbreviation) PA	Request Designation of Agent Jeffrey Blesener		
Old operator new status (status abbreviation) PA	Remarks See Operator File		
Deputy Supervisor  Kenneth Carlson		Signature  Chris McCullough, Associate Engineer	

**OPERATOR STATUS ABBREVIATIONS**

PA - Producing Active	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
NPA - No Potential Active	Form OGD121			Map and Book		
PI - Potential Inactive	Well records			Lease Files		
NPI - No Potential Inactive	New well cards			Well Stat		
Ab - Abandoned or No More Wells						

OGD156 (Modified 1/00)

E & B Natural Resources Mgmt. Corp.

# **WELL TRANSFER NOTICE**

**On 12-21-98**

**XL OPERATING COMPANY**

**transferred**

**all wells in the Wilmington field**

**(See OGD156 dated December 21, 1998 for complete list)  
to**

**FOUR TEAMS OIL PROD. & EXPL., INC.**

# **WELL TRANSFER NOTICE**

Effec February 7, 1997

**XTRA ENERGY CORPORATION**

**TRANSFERRED**

*all wells Wilmington*

*(See Operator File for Complete List)*

**TO**

**XL OPERATING COMPANY**

*SEE OGD156 DATED 02-7-97*

STATE OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Long Beach, California

October 17, 1983

John D. Carmichael, Agent  
XTRA ENERGY CORPORATION  
2501 Cherry Avenue, Suite 270  
Signal Hill, CA 90806

Your request, dated September 15, 1983, proposing to change the designation of  
see  
well(s) in Sec. below, T. 4S, R. 13W, S. B. B. & M., Wilmington field,  
Los Angeles County, District No. 1, has been received.

The proposed change in designation, in accordance with Section 3203, Public Resources Code, is authorized  
as follows: Sec. 19-4S-13W

OLD	NEW	DESIGN.	API
8	"WNF-I"	8	22620
10	"WNF-I"	10	22611
18	"WNF-I"	18	22853
19	"WNF-I"	19	22846
20	"WNF-I"	20	22652
23	"WNF-I"	23	22672
26	"WNF-I"	26	22666-01
27	"WNF-I"	27	22673
28	"WNF-I"	28	22674
29	"WNF-I"	29	22648
43	"WNF-I"	43	22682
Sec. 20-4S-13W			
42	"WNF-I"	42	22689
44	"WNF-I"	44	22820

OLD	NEW	API
"American Can" 1	"WNF-I" 12	21433
" 2	"WNF-I" 15	21644
" 3	"WNF-I" 3	21768
"Dasco Unit" 1	"WNF-I" 1	21671
I-14	"WNF-I" 11	22603
"Purex Unit" 1	"WNF-I" 9	21669
" 2	"WNF-I" 5	21753
" 3	"WNF-I" 4	21754
"Sanitation Unit" 1	"WNF-I" 21	21445
Sec. 20-4S-13W		
31 "WNF-I" 31	22767	36 "WNF-I" 36 22769
33 "WNF-I" 33	22768	37 "WNF-I" 37 22796
34 "WNF-I" 34	22787	38 "WNF-I" 38 22752
35 "WNF-I" 35	22795	39 "WNF-I" 39 22754

EDP  
Update  
Conservation Committee  
Long Beach Dept. of Oil Properties  
OGD 157 (3-79-DWRR-1M)

M. G. MEFFERD, State Oil and Gas Supervisor

By

*Richard C. Gaeede*  
FOR V. F. GAEDE, Deputy Supervisor

Sec. 20-4S-13W

OLD	NEW	API 037-
"Shell Unit" 1	"WNF-I" 32	21729
"Shell Unit" 2	"WNF-I" 40	21769

Sec. 29-4S-13W

"Lomita Unit" 1	"WNF-I" 67	22487
49	"WNF-I" 49	22886
50	"WNF-I" 50	22884
51	"WNF-I" 51	22885
53	"WNF-I" 53	22874
54	"WNF-I" 54	22871
56	"WNF-I" 56	22865
57	"WNF-I" 57	22815

DIVISION OF OIL AND GAS

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Xtra Energy Well No. 29  
 API No. 037-22648 Sec. 19, T. 45, R. 13W, S. B. B.&M.  
 County L.A. Field Wilmington

RECORDS RECEIVED	DATE	
Well Summary (Form OG100)	<u>11/5/82</u>	<u>(2)</u>
History (Form OG103)	<u>11/5/82</u>	<u>(2)</u>
Core Record (Form OG101)		
Directional Survey	<u>11/5/82</u>	<u>(2)</u>
Sidewall Samples		
Other		
Date final records received		
Electric logs:		
<u>Ind. Elect.</u>	<u>11/5/82</u>	<u>(1)</u>
<u>Ind. Elect.</u>	<u>11/5/82</u>	<u>(1)</u>
<u>Ind. Elect.</u>	<u>11/5/82</u>	<u>(1)</u>
<u>Ind. Elect.</u>	<u>11/5/82</u>	<u>(1)</u>

STATUS	STATUS
Producing - Oil <input checked="" type="checkbox"/>	Water Disposal <input type="checkbox"/>
Idle - Oil <input type="checkbox"/>	Water Flood <input type="checkbox"/>
Abandoned - Oil <input type="checkbox"/>	Steam Flood <input type="checkbox"/>
Drilling - Idle <input type="checkbox"/>	Fire Flood <input type="checkbox"/>
Abandoned - Dry Hole <input type="checkbox"/>	Air Injection <input type="checkbox"/>
Producing - Gas <input type="checkbox"/>	Gas Injection <input type="checkbox"/>
Idle - Gas <input type="checkbox"/>	CO2 Injection <input type="checkbox"/>
Abandoned - Gas <input type="checkbox"/>	LPG Injection <input type="checkbox"/>
Gas-Open to Oil Zone <input type="checkbox"/>	Observation <input type="checkbox"/>
Water Flood Source <input type="checkbox"/>	
DATE <u>7-30-82</u>	
RECOMPLETED <input type="checkbox"/>	
REMARKS	

ENGINEER'S CHECK LIST

- Summary, History, & Core record (dupl.) ☒
- Electric Log ☒
- Operator's Name ☐
- Signature ☐
- Well Designation ☐
- Location ☐
- Elevation ☐
- Notices ☒
- "T" Reports ☒
- Casing Record ☐
- Plugs ☐
- Surface Inspection ☐
- Production ☐
- E Well on Prod. Dir. Sur. ☒

CLERICAL CHECK LIST

- Location change (F-OGD165)
- Elevation change (F-OGD165)
- Form OGD121 ☐
- Form OG159 (Final Letter) ☐
- Form OGD150b (Release of Bond) ☐
- Duplicate logs to archives ☐
- Notice of Records due (F-OGD170) ☐

UPDATE CENTER 1/14/83

BB

RECORDS NOT APPROVED

Reason: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

RECORDS APPROVED 12-1-82

RELEASE BOND

Date Eligible \_\_\_\_\_  
 (Use date last needed records were received.)

MAP AND MAP BOOK 128 12/1/82

# CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Well No. \_\_\_\_\_

API No. \_\_\_\_\_ Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, B.&M. \_\_\_\_\_

## WORK PERFORMED

Drill \_\_\_\_\_ Redrill \_\_\_\_\_ Deepen \_\_\_\_\_

Plug \_\_\_\_\_ Alter Casing \_\_\_\_\_

Water Flood \_\_\_\_\_ Water Disposal \_\_\_\_\_

Abandon \_\_\_\_\_

Other \_\_\_\_\_

## STATUS

Producing \_\_\_\_\_

Recompleted Producing \_\_\_\_\_

Water Flood \_\_\_\_\_

Water Disposal \_\_\_\_\_

Abandoned \_\_\_\_\_

Other \_\_\_\_\_

MAP AND BOOK \_\_\_\_\_ Engineer \_\_\_\_\_

RECORDS FILED AND DATE Clerk \_\_\_\_\_

Summary \_\_\_\_\_

Log and Core \_\_\_\_\_

History \_\_\_\_\_

E-log \_\_\_\_\_

Directional Survey \_\_\_\_\_

Other \_\_\_\_\_

(Check records for signature and correct name of operator or well, section, township, range, and field.)

Location \_\_\_\_\_ Notice states \_\_\_\_\_

Elevation \_\_\_\_\_ Notice states \_\_\_\_\_

Production Reports \_\_\_\_\_

(If production reports not received, make notation and inform Senior Stenographer when received.)

RECORDS & REQUIREMENTS CHECKED Engineer \_\_\_\_\_

Surface Inspection \_\_\_\_\_

Data Needed \_\_\_\_\_

Request Records \_\_\_\_\_ OGD170 \_\_\_\_\_

Correct records \_\_\_\_\_ OGD165 \_\_\_\_\_  
(Specify)

CARDS \_\_\_\_\_

BOND \_\_\_\_\_

Hold \_\_\_\_\_ Reason \_\_\_\_\_

Release \_\_\_\_\_ Date Eligible \_\_\_\_\_ OGD150 \_\_\_\_\_

End premium year \_\_\_\_\_

Release requested \_\_\_\_\_

Bond superseded \_\_\_\_\_ (Check One)

Well abandoned \_\_\_\_\_

Environmental Inspection \_\_\_\_\_ Engineer \_\_\_\_\_

FINAL LETTER \_\_\_\_\_ OGD159 \_\_\_\_\_

and  
File cleared \_\_\_\_\_ OGD121 \_\_\_\_\_



# WELL SUMMARY REPORT

Operator XTRA ENERGY CORPORATION		Well NO. 29			
Field WILMINGTON		County LOS ANGELES	Sec. 19	T. 4S	R. B.&M. 13W S.B.
Location (Give surface location from property or section corner, street center line and/or California coordinates) 131' NORTH & 57' EAST FROM THE SOUTH WEST CORNER OF THE PROPERTY WHICH IS THE NORTHEAST CORNER OF MAIN ST., AND THE AT&SF RIGHT-OF-WAY.					Elevation of ground above sea level 38'
Commenced drilling (date) 4-20-82	Total depth (1st hole) 3975' (2nd) 3848' (3rd)		Depth measurements taken from top of: <input type="checkbox"/> Derrick Floor <input type="checkbox"/> Rotary Table <input checked="" type="checkbox"/> Kelly Bushing Which is 12 feet above ground		
Completed drilling (date) 5-7-82	Present effective depth 3845'		GEOLOGICAL MARKERS "F" MARKER "F" MARKER (SD TRK)		DEPTH FAULTED 3740'
Commenced producing (date) 7-30-82 <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas lift	Junk				
Name of producing zone(s) RANGER			Formation and age at total depth		

	Clean Oil (bbl per day)	Gravity Clean Oil	Percent Water including emulsion	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production	11	14.1	35	-	60 psi	60 psi
Production After 30 days	10	14.2	38	-	60 psi	60 psi

## CASING RECORD (Present Hole)

Size of Casing (API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New or Second Hand	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)
10-3/4"	SURF	600	40.5#	J-55	NEW	14-3/4"	655 CF	-
7"	SURF	3737	23#	K-55	NEW	9-7/8"	505 CF	-
5"	3661'	3848'	18#	N-80	NEW	6-1/4"	OPENED TO	12"

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforation and method.) (SEE ATTACHED LINER DETAIL)  
5" JOHNSON "PIPELESS" WIRE WRAPPED SCREEN LINER WITH 0.012" SLOTS. GRAVEL PACKED WITH 75 SACKS OF 20 - 40 MESH GRAVEL.

Was the well directionally drilled? If yes, show coordinates at total depth

☒ Yes ☐ No 1077' NORTH & 577' WEST @ 3847', TVD = 3533'

Electrical log depths

3979' to 600' AND 3847' to 2950'

Other surveys

NONE

In compliance with Sec. 3215, Division 3 of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name JOHN D. CARMICHAEL		Title SENIOR VICE PRESIDENT	
Address 717 WALTON STREET		City SIGNAL HILL, CALIFORNIA	Zip Code 90806
Telephone Number (213) 424-8549	Signature <i>John D. Carmichael</i>	Date NOVEMBER 3, 1982	

SUBMIT IN DUPLICATE



RECEIVED  
NOV 5 1 45 PM '82  
DIV. 5 GAS  
LOS ANGELES, CA.

SUBMIT IN DUPLICATE  
RESOURCE AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
**DIVISION OF OIL AND GAS**

**History of Oil or Gas Well**

Operator Xtra Energy Corporation Field or County Torrance Field  
Well 29 , Sec. 19 , T. 4S , R. 13W , SB. B. & M.  
A.P.I. No. 037-22648 Name John D. Carmichael Title Vice President  
(Person submitting report) (President, Secretary or Agent)  
Date                     , 19      

Signature *John D. Carmichael*  
(213) 424-8549  
(Telephone Number)

717 Walton Street, Signal Hill, CA 90806  
(Address)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
4-20	MI eqpt fr Well No. 8. RU, spud in @ 10:00 PM, Drld & surveyed 14-3/4" hole fr 54' to 387'. CB mud wt 76#/CF, WL 11.5 cc, cake 2/32", solids 13%, oil 1%.
4-21	10-3/4" - 600' Cont'd drlg & surveying 14-3/4" hole fr 387' to 603', made wiper trip, C & C mud, POH, Ran 15 jts 10-3/4", 40.5#, K-55, ST&C csg w/B & W stab-in shoe @ 600'. B-J cmtrs pmpd 100 CF wtr, 300 sx G cmt mxd 1:1:4 w/2% CaCl <sub>2</sub> , plus 106 sx "G" cmt neat w/2% CaCl <sub>2</sub> , good cmt rtns. CIP @ 5:45 PM, WOC 2 hrs, cut off cond pipe, cut off 19.93' of 10-3/4" csg, welded on 10-3/4" x 7" csg hd, instld BOP, RIH w/9-7/8" drlg assy, tstd BOP w/1000#, OK by DOG, D/O cmt & shoe, now drlg @ 605' @ 6 A.M. CB mud wt 76#/CF, WL 15 cc, cake 4/32", 21,000 ppm Cl, 13% solids, 1/2% snd.
4-22	10-3/4" - 600' Cont'd drlg & surveying fr 605' to 980', C & C mud, POH, RIH w/Dynadril, drld & surveyed fr 980' to 1484' @ 6 A.M. SS @ 1376', 15° 15' N 25° W, hole is 14' hi and 5' rt. CB mud wt 72#/CF, vis 40", WL 10.5 cc, cake 2/32", 280 ppm Cl, solids 9%, tr oil.
4-23	10-3/4" - 600' Cont'd drlg & surveying fr 1484' to 1789', POH w/Dynadril, RIH w/9-7/8" angle bldg assy, down 2 hrs reprg main drive line on rig, cont'd drlg & surveying fr 1789' to 2047' @ 6 A.M. SS @ 2017', 31° 15', N 25° W. Hole is 27' hi & 25' rt. CB mud wt 71#/Cf, vis 39", WL 8.0 cc, cake 1/32", 2000 ppm Cl, 8.5% solids, 2% oil.
4-24	10-3/4" - 600' POH, Chngd to locked up drlg assy, RIH to 2047', drld & surveyed to 2598', C & C mud, trip for Dynadril, drld fr 2598' to 2641' @ 6 A.M. SS @ 2567', 28° 30', N 23° W, hole is 2' hi & 54' rt. CB mud wt 74#/CF, vis 41", WL 6.1 cc, cake 1/32", 11.5% solids, 6% oil.

4-25 10-3/4" - 600'  
Cont'd Dynadrilg & surveying 9-7/8" hole fr 2641' to 2795', POH w/Dynadril, RIH w/9-7/8" locked up drlg assy to 2579', stuck pipe, wrkd pipe to 174,000# for 1-1/2 hrs, spotted 15 bbls oil, cont'd wrkg pipe, RU Dialog, ran free-pt & string shot, bkd off pipe @ 2384'. Now POH w/ 1 - 7" DC, x-over, stab & B-sub @ 6 A.M., SS @ 2749', 32° 15', N 32° W, hole is 8-1/2' lo & 59-1/2' rt. CB mud wt 73#/CF, vis 43', WL 6.2 cc, cake 1/32", 11% solids, 6% oil.

4-26 10-3/4" - 600'  
Fin POH, RIH w/screw in sub, 2 - DC, jars & accelerator, circ @ top of fish, screw into fish, jarred 3 times, fish came free, POH w/comp fish, P/U new DC's, RIH to 1951', hit tight spot, reamed thru to 2011', RIH to 2530', ream to 2795', cont'd drlg & surveying fr 2795' to 3088'. SS @ 3027', 33° N 35° W, hole is 11' lo & 56-1/2' rt. CB mud wt 73#/CF, vis 40", WL 7.5 cc, cake 1/32", solids 11%, oil 5%.

4-27

Cont'd drlg 9-7/8" hole & surveying fr 3088' to 3490', RTCB, now drlg @ 3555', SS @ 3485', 34° 45', N 34° W, hole is 10' lo & 29-1/2' rt, CB mud wt 74#/CF, vis 44, WL 6.0 cc, cake 1/32", 11.5% solids, 6% oil.

4-28

Cont'd drlg 9-7/8" hole & surveying fr 3555' to 3758', Circ mud, RT for 6-1/4" drlg assy, drld 6-1/4" hole fr 3758' to 3938' @ 6 A.M. SS @ 3847', 35° 30', N 34° W, hole is 1-1/2' lo & 21' rt. CB mud wt 74#/CF, vis 45", WL 6.2 cc, cake 1/32", solids 12.5%, sand 0.5%, oil 8%.

4-29

Cont'd drlg 6-1/4" hole fr 3938' to 3975', C & C mud, POH w/MSS, D-A ran IES log fr 3975' to 600', found "F" sd faulted out, RIH w/6-1/4" drlg assy, C & C mud, POH, RIH w/10 jts 2-3/8" tbg on 4-1/2" DP, equalized 360 sx "G" cmt plg fr 3975' to est top of cmt @ 3075', P/U & circ out, CIP @ 3:35 AM, Now WOC. CB mud wt 75#/CF, vis 43", WL 6.0 cc, cake 1/32", solids 11.5%, sand 0.5%, oil 8%.

4-30

WOC until 11:30 A.M. RIH w/9-7/8" bit, mud contaminated w/cmt, POH, RIH w/6-1/8" bit, C & C mud, C/O soft cmt fr 2846' to 3087', trip for 9-7/8" drlg assy, C/O cmt fr 2846' to 3150', plg OK'd by DOG. Now POH for Dynadril. CB mud wt 71#/CF, vis 41", WL 9.2 cc, 2/32" mud cake, 8.5% solids, 1/4% sand, 3% oil.

5-1

Fin POH, RIH w/Dynadril, drld & surveyed 9-7/8" hole fr 3150' to 3312', C & C mud, POH, RIH w/ 9-7/8" angle dropping assy, reamed fr 3100' to 3312'. Cont'd drlg fr 3312' to 3435' @ 6 A.M. SS @ 3372', 31° 30', N 26° 30' W, hole is 6' hi & 4-1/2' left. CB mud wt 72#/CF, vis 39", WL 6.8 cc, cake 1/32", 9% solids, 6% oil.

5-2

Cont'd drlg 9-7/8" hole fr 3435' to 3714', C & C mud, trip for 6-1/4" drlg assy, drld 6-1/4" hole fr 3714' to 3847', C & C mud, POH, D-A ran IES log fr 3714' to 2950', unable to get below 6-1/4" shoulder, SS @ 3847', 27° 15', N 25° W, hole is 9' lo & on line for direction. CB mud wt 71#/CF, vis 41", WL 6.0 cc, cake 1/32", 9% solids, 8% oil.

5-3

RD - DA, RIH w/OE DP to 3714', D-A ran pmp dn log, logged fr 3847' to 3714', POH, RIH w/9-7/8" btm hole assy, lwr shoulder fr 3714' to 3740', C & C mud, POH & LD 4-1/2" DP, now RU to run 7" csg.

5-4

Ran 7", 28# K-55 Buttress csg, 97 jts total length 3757', B & W basket shoe @ 3737', B & W float collar @ 3653, B-J cementers pmpd 80 CF "Mud Sweep" then 230 sx "G" cmt mxd 1:1:4 w/2% CaCl<sub>2</sub>, displsd w/ 817 CF of mud, plg did not bump, CIP @ 10:40 AM, Rmvd BOP, fnd collar in well head, cut off old well head, instld new well head, hung csg w/20,000# over wt of string, cut off 37.54' of 7" csg, instld BOP, Now GIH w/6-1/4" drlg assy, P/U 3-1/2" DP. CB mud wt 72#/CF, WL 6.2 cc, vis 42", solids 10%.

5-5

RIH w/6-1/4" bit, P/U 3-1/2" DP, fnd cmt @ 3576', D/O cmt & FC @ 3653', C/O to 3732', POH, RIH w/ J-WSO tstr, shot 4-1/2" holes @ 3728', set pkr @ 3665', opn tool @ 7:15 PM, li blo 10 min then dead for 50 min, POH, fnd lwr clock not running, RIH w/ new J-WSO tstr, retest same depths, 10 min li blo then dead, POH, test dry, OK by DOG, RIH w/6-1/4" drlg assy, D/O FS @ 3737' & C/O to btm @ 3847'.

5-6

Circ hole cln, dsplsd w/Polymer mud, POH, RIH w/ Tristate hole opnr, opnd 6-1/4" hole to 12" fr 3737' to 3847', P/U to FS, regauged hole, C & C mud, POH, GO ran Caliper log, fr 3838' to 3737', showed under gauged hole fr 3807' to 3815', RD GO RIH w/ Tristate hole opnr to regauge hole. Polymer mud wt 72#/CF, vis 38", WL 12 cc, solids 3%.

5-7

Re-reamed hole fr 3738' to 3840', circ cln, POH, RIH w/6-1/4" drlg assy, C/O fr 3840' to 3848', POH, RIH w/Johnson wire wrapped "pipeless" SS liner w/ 0.012" slots, total of 183.51', screen fr 3842' - 3824', 3819' - 3802', 3797' - 3779', 3774' - 3757' and 3752' - 3750', shoe @ 3848', gvl pkd w/75 sx of 20-40 mesh sand, Calc 72 sx, POH, RIH w/ A & A lead seal adaptor, set @ 3664', chng over to lease SW, now POH, LD 3-1/2" DP.

5-8 10-3/4" - 600'  
7" - 3737'

Fin LD DP, rmvd BOP, instld 2 jts 2-7/8" tbg & tbg flange, RR @ 9 A.M. 5-7-82. RD to move to Well No. 20.

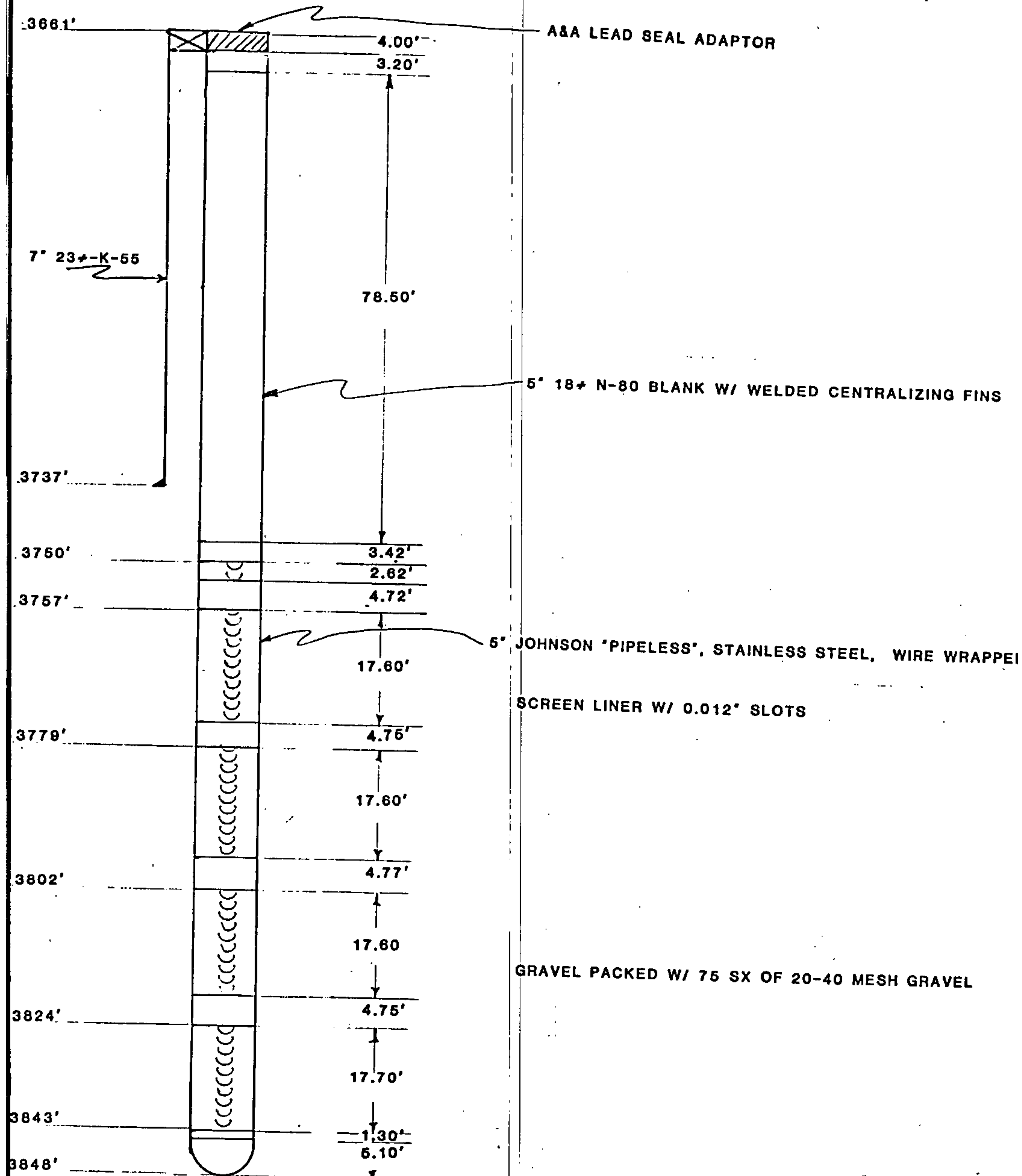
RECEIVED  
NOV 5 1 47 PM '82  
DIV. 3  
LOS ANGELES, CALIF.



# XTRA ENERGY CORP.

## LINER DETAIL

WELL NO. 29 (I-15A)



THIS WELL WAS CHANGED FROM TORRANCE FIELD TO THE  
WILMINGTON FIELD AS PER THE FIELD BOUNDARY CHANGE  
ON SEPTEMBER 10, 1982.

DIVISION OF OIL AND GAS

Report on Operations

John D. Carmichael, Agent

XTRA ENERGY CORPORATION

717 Walton Street

Signal Hill, CA 90806

Long Beach Calif.

June 18, 1982

Your operations at well 29, API No. 037-22648,  
Sec. 19, T. 4S, R. 13W, S. B. B. & M. Torrance Field, in Los Angeles County,  
were witnessed on 4/29/82 by S. Mulqueen, Engineer, representative of  
the supervisor, was present from 1100 to 1200. There were also present Dwayne Eatman,  
Drilling Foreman

Present condition of well: 10-3/4" cem 600'. TD 3975'. (Drilling) plugged w/ cem 3974-2946'.

The operations were performed for the purpose of witnessing the placing of a cement plug from  
3974' to 2946' in the process of plugging back.

DECISION: APPROVED

NOTE: DEFICIENCIES TO BE CORRECTED  
NONE

DEFICIENCIES CORRECTED  
NONE

CONTRACTOR - California Production Service, Inc.

SM: csw

cc: Update

Blanket Bond

M.G. MEFFERD  
State Oil and Gas Supervisor

By J. L. Hardoin

Deputy Supervisor

J. L. HARDOIN

[illegible]

DEFICIENCIES—TO BE CORRECTED

*NONE*

DEFICIENCIES—CORRECTED

*NONE*

CONTRACTOR

*CALIFORNIA PRODUCTION SERVICE, INC.*

DIVISION OF OIL AND GAS

Report on Operations

John D. Carmichael, Agent

XTRA ENERGY CORPORATION

717 Walton Street

Signal Hill, CA 90806

Long Beach, Calif.

June 3, 1982

Your operations at well 29, API No. 037-22648,  
Sec. 19, T. 4S R. 13W S.B. B. & M. Torrance Field, in Los Angeles County,  
were witnessed on 4-21-82. E. Santiago, Engineer, representative of  
the supervisor, was present from 0400 to 0700. There were also present  
D. Eatman, Drilling Foreman.

Present condition of well: 10-3/4" cem 600'. TD 603' (drilling).

The operations were performed for the purpose of testing the blowout prevention equipment  
and installation.

DECISION: APPROVED

NOTE: DEFICIENCIES TO BE CORRECTED  
NONE

DEFICIENCIES CORRECTED

1. remote control panel not hooked up
2. remote control panel not hooked up during first check back
3. check valve and control valve installed backwards

CONTRACTOR: California Production Service, Inc.

ES:sac

cc: Update

M. G. MEFFERD

State Oil and Gas Supervisor

By J. L. Hardoin

Deputy Supervisor

J. L. HARDOIN



**DIVISION OF OIL AND GAS  
BLOWOUT PREVENTION EQUIPMENT MEMO**

RHA 5/11/82  
T 182-435

Operator Xtra Energy Corporation Well 29 Field Torrance County Los Angeles

VISITS: Date 4-21-82 Engineer Ed. Santiago Time 0400 to 0700 Operator's Rep. D. Eatman Title DE  
2nd \_\_\_\_\_ to \_\_\_\_\_

Casing record of well: 10 3/4" Cem 600'; TD 603' (drilling)

OPERATION: Testing (~~inspecting~~) the blowout prevention equipment and installation.  
DECISION: The blowout prevention equipment and installation are approved.

Proposed Well Opns: drill MPSP: \_\_\_\_\_ psi  
Hole size: 14 3/4" fr. 0 ' to 603 ' & \_\_\_\_\_ " to \_\_\_\_\_ "

REQUIRED  
BOPE CLASS: III B3M

CASING RECORD (BOPE ANCHOR STRING ONLY)					Cement Details	Top of Cement	
Size	Weight(s)	Grade (s)	Shoe at	CP at		Casing	Annulus
<u>10 3/4"</u>	<u>40.5#</u>	<u>K-55</u>	<u>600</u>		<u>4065XCCM bump plug w/1000#</u>	<u>580</u>	<u>0</u>

BOP STACK							a	b	a/b	TEST DATA			
API Symb.	Ram Sz.	Mfr.	Model or Type	Size In.	Oper. Press	Date Last Overhaul	Cal. to Close	Rec. Time Min.	Calc. GPM Output	psi Drop to Close	Secs. to Close	Test Date	Test Press
<u>A</u>	<u>10</u>	<u>Hydril</u>	<u>GK</u>	<u>10</u>	<u>3000</u>	<u>—</u>						<u>4/21</u>	<u>800</u>
<u>Rd</u>	<u>4 1/2</u>	<u>Shaffer</u>	<u>LWS</u>	<u>10</u>	<u>3000</u>	<u>—</u>						<u>4/21</u>	<u>800</u>
<u>Rd</u>	<u>650</u>	<u>Shaffer</u>	<u>LWS</u>	<u>10</u>	<u>3000</u>	<u>—</u>				<u>Rpt by D.E.</u>		<u>4/21</u>	<u>800</u>

ACTUATING SYSTEM			
Accum. Unit(s) Wkg. Press. <u>3000</u> psi			
Total Rated Pump Output _____ gpm			
Distance From Well Bore <u>50</u> ft.			
Mfr.	Accum. Cap.	Precharge	
<u>1 Shaffer</u>	<u>80</u> gal.	<u>1000</u> psi	
<u>2</u>	gal.	psi	
CONTROL STATIONS		Elec.	Hyd.
<u>X</u> Manif. at accum. unit			<u>X</u>
<u>X</u> Remote at Drlr's stn.		<u>X</u>	
Other:			
EMERG. BACKUP SYST.	Press.	Wkg. Fl.	
<u>X</u> N2 Cyl No: <u>3</u> Tpe: <u>G</u>	<u>1500</u>	gal	
Other:		<u>21800</u> gal	
		<u>32400</u> gal	
		<u>42200</u> gal	
		<u>5</u> gal	
		<u>6</u> gal	

AUXILIARY EQUIPMENT						
	No.	Sz. (in)	Rated Press.	Connections		
				Weld	Flan.	Thrd.
<u>X</u> Fill-Up Line						
<u>X</u> Kill Line		<u>2"</u>	<u>3000</u>		<u>X</u>	<u>800</u>
<u>X</u> Control Valve(s)	<u>1</u>		<u>3000</u>		<u>X</u>	<u>—</u>
<u>X</u> Check Valve(s)	<u>1</u>		<u>3000</u>		<u>X</u>	<u>800</u>
<u>X</u> Auxil. Pump Connec.			<u>3000</u>		<u>X</u>	<u>800</u>
<u>X</u> Choke Line		<u>3</u>	<u>3000</u>		<u>X</u>	<u>800</u>
<u>X</u> Control Valve(s)	<u>6</u>		<u>3000</u>		<u>X</u>	<u>800</u>
<u>X</u> Pressure Gauge					<u>X</u>	
<u>X</u> Adjustable Choke(s)	<u>2</u>	<u>3</u>	<u>3000</u>		<u>X</u>	<u>—</u>
<u>X</u> Bleed Line		<u>3</u>			<u>X</u>	
<u>X</u> Upper Kelly Cock						<u>800</u>
<u>—</u> Lower Kelly Cock						<u>—</u>
<u>X</u> Standpipe Valve						<u>—</u>
<u>X</u> Standpipe Pressure Ga.						
<u>X</u> Pipe Safety Valve		<u>4 1/2</u>	<u>3000</u>			<u>800</u>
<u>X</u> Internal Preventer		<u>4 1/2</u>	<u>3000</u>			<u>800</u>

HOLE FLUID MONITORING EQUIPMENT			Alarm	Class
<u>X</u>	Calibrated Mud Pit	Aud.	Vis.	<u>A</u>
<u>X</u>	Pit Level Indicator		<u>X</u>	<u>B</u>
<u>X</u>	Pump Stroke Counter		<u>X</u>	
	Pit Level Recorder			<u>C</u>
	Flow Sensor			
	Mud Totalizer			
	Calibrated Trip Tank			
	Other:			

REMARKS:		
Hole Fluid Type	Weight	Storage-Pits
<u>Clay base mud</u>	<u>9.4#</u>	<u>250 Bbl</u>

DEFICIENCIES—TO BE CORRECTED *NONE*

DEFICIENCIES—CORRECTED

- 1- remote control panel not hooked up
- 2- remote control panel not hooked up during  
First check back
- 3- Check valve and control valve installed  
backwards

CONTRACTOR *California Production Service, Inc.*

DIVISION OF OIL AND GAS

Report on Operations

John D. Carmichael, Agent  
XTRA ENERGY CORPORATION  
717 Walton Street  
Signal Hill, CA 90806

Long Beach, Calif.  
June 3, 1982

Your operations at well 29, API No. 037-22648,  
Sec. 19, T. 4S, R. 13W B. & M. Torrance Field, in Los Angeles County,  
were witnessed on 5-5-82. R. Navia, Engineer, representative of  
the supervisor, was present from 0900 to 0500. There were also present Bill  
Witherspoon, Drilling Foreman.  
Present condition of well: 10-3/4" cem 600'; 7" cem 3737', perf 3728 WSO.  
TD 3847' (drilling).

The operations were performed for the purpose of testing the 7" shut-off at 3728 with a  
formation tester.

DECISION: APPROVED


NOTE: DEFICIENCIES TO BE CORRECTED  
NONE

DEFICIENCIES CORRECTED  
NONE

CONTRACTOR: California Production Service, Inc.

BN: sac

cc: Update

M. G. MEEFERD  
State Oil and Gas Supervisor  
By   
Deputy Supervisor  
J. L. HARDOIN

Operator Xtra Energy CorpWell designation 29 Sec. 19, T. 45, R. 13W, 5B B.&M.Field Torrance, County LA was tested for water shutoff on 5/5/82. (Name) R. Navia, representative of the supervisor, was present from 0900 to 0500. Also present were Rill Witherspoon, DF

Casing record of well:

10 3/4" cem 600'; 7" cem 3737', perf 3728 WSO.TD 3847' (drilling) 47' (...The operations were performed for the purpose of (D-1) 7" @ 3728'☒ The 7 " shutoff at 3728' is approved.☐ The seal between the \_\_\_\_\_ " and \_\_\_\_\_ " casings is approved.☐ The operations are approved as indicating that all of the injection fluid is confined to the formations below \_\_\_\_\_ " at this time.Hole size: 9 7/8 " fr. 600 ' to 3737 ' ; 6 1/4 " to 3847 ' ; & \_\_\_\_\_ " to \_\_\_\_\_ '.

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
<u>7"</u>	<u>23#</u>	<u>0</u>	<u>3737</u>	<u>5/3</u>	<u>Bumped plug</u>	<u>3155</u>	<u>1911±</u>	<u>3646'</u>		<u>1100</u>	<u>perf 3728'</u>

Depth or interval tested 3728' (4) 1 1/2" holesThe hole was open to 3732 ' for test.

## FORMATION TEST:

Packer(s) 3665 ' & \_\_\_\_\_ ' Tail 3689 ' Bean size 3/4 " Cushion NoneIHP 1724 IFP 16 FFP 16 FHP 1757Blow Light blow for 10 minutes, dead for remainderOpen for test 1 Hr. \_\_\_\_\_ min. Fluid entry 30' (drilling mud)

## BAILING TEST:

The hole fluid was bailed to \_\_\_\_\_ ' , at \_\_\_\_\_ on \_\_\_\_\_ 19\_\_.

The hole fluid was found at \_\_\_\_\_ ' , at \_\_\_\_\_ on \_\_\_\_\_ 19\_\_.

(time)

## PRODUCTION TEST:

Gauge/meter reading \_\_\_\_\_ on \_\_\_\_\_ 19\_\_, at \_\_\_\_\_ pump depth \_\_\_\_\_ ' Engr. \_\_\_\_\_

Gauge/meter reading \_\_\_\_\_ on \_\_\_\_\_ 19\_\_, at \_\_\_\_\_ Engr. \_\_\_\_\_

Fluid level \_\_\_\_\_ ' surveyed on \_\_\_\_\_ 19\_\_, reviewed (witnessed) by \_\_\_\_\_

Total fluid produced, Bbls. \_\_\_\_\_ Net oil \_\_\_\_\_ Water \_\_\_\_\_

Rate: \_\_\_\_\_ B/D oil, \_\_\_\_\_ B/D water, \_\_\_\_\_ % water cut

## INJECTION SURVEY:

RA/Spinner/Temperature survey run at \_\_\_\_\_ B/D &amp; \_\_\_\_\_ psi on \_\_\_\_\_ 19\_\_,

fluid confined below \_\_\_\_\_ ' (Packer depth \_\_\_\_\_ ')

\* Plug open hole and drill (side track)thg @ cem - TOC DATE

DEFICIENCIES—TO BE CORRECTED

*None*

DEFICIENCIES—CORRECTED

*None*

CONTRACTOR

*California Production Service, Inc.*



DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

No. P 182-395

**REPORT ON PROPOSED OPERATIONS**

782  
(field code)  
06  
(area code)  
30  
(new pool code)  
--  
(old pool code)

John D. Carmichael, Agent  
XTRA ENERGY CORPORATION  
717 Walton Street  
Signal Hill, CA 90806

Long Beach, California  
May 13, 1982

Your Supplementary proposal to Drill well 29  
A.P.I. No. 037-22648, Section 19, T. 4S, R. 13W, S.B. B. & M.,  
Torrance field, Onshore area, - pool,  
Los Angeles County, dated 5-3-82, received 5-13-82 has been examined in conjunction with records  
filed in this office.

The proposal, covering work already completed in accordance with prior agreement, is  
approved provided:

1. In all other respects the well shall be drilled in accordance with the provisions  
set forth in our report No. P 182-298, dated April 8, 1982.

RHS:da

cc: Update

Blanket Bond

M. G. MEFFERD, State Oil and Gas Supervisor

By J. L. Hardoin  
J. L. HARDOIN, Deputy Supervisor

A copy of this report and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed  
or the operations have been suspended.



## DIVISION OF OIL AND GAS

## SUPPLEMENTARY NOTICE

0/6

## DIVISION OF OIL AND GAS

Long Beach

Calif.

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL FILE
	OGD114	OGD121	
Blanket	5-13-82	5-13-82	

A notice to you dated March 29, 1982, stating the intention to

Drill

-No. 29

API No. 037-22648

(Drill, rework, abandon)

(Well name and number)

Sec. 19, T. 4S, R. 13W, S.B. B. & M., Torrance Field,Los Angeles

County, should be amended because of changed conditions.

The present condition of the well is as follows:

Total depth 3975'

Complete casing record including plugs and perforations

10-3/4", J-55, 40.5# casing cemented @ 600'

The well was drilled to total depth, and an electric log run. It was determined that the well had cut a fault in the 'F' sand eliminating approximately 10 to 15' of the sand.

We now propose to plug the well back to approximately 3150' and kick it 100' to the east at a new TD of 3850'

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 717 Walton Street

(Street)

Signal Hill, CA 90806

(City)

(State)

(Zip)

Telephone Number (213) 424-8540Xtra Energy Corporation

(Name of Operator)

Type of Organization Corporation

(Corporation, Partnership, Individual, etc.)

By John D. Carmichael 5-3-82

(Name)

(Date)

Signature John D. Carmichael

## REPORT ON PROPOSED OPERATIONS

782

(field code)

06

(area code)

30

(new pool code)

--

(old pool code)

Long Beach

, California

April 8, 1982

John D. Carmichael, Agent

XTRA ENERGY CORPORATION

717 Walton Street

Signal Hill, CA 90806

Your Drill proposal to 29 well "WNS-I" 29  
A.P.I. No. 037-22648, Section 19, T. 4S, R. 13W, S.B. B. & M.,  
Torrance field, Onshore area, - pool,  
Los Angeles County, dated 3-29-82, received 4-1-82 has been examined in conjunction with records  
filed in this office.

### THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment, equivalent to this division's Class III-B-3M requirements, or better, shall be installed and maintained in operating condition.
2. Drilling fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. All oil, gas or fresh water sands behind the 7" casing shall be protected by either lifting cement or by multiple stage cementing.
4. This division shall be consulted and a supplementary notice may be required before making any changes in the proposed program.
5. The provisions of Sec. 3606 relating to derricks and subsurface spacing shall be followed.
6. A directional survey shall be made and filed with this division.
7. THIS DIVISION SHALL BE NOTIFIED:
  - a. To witness a test of the installed blowout prevention equipment prior to drilling out cement in the shoe of the 10-3/4" casing.
  - b. To witness a test of the effectiveness of the 7" shut-off above the Ranger zone.

RHS:da

cc: Update

Blanket Bond

M. G. MEFFERD, State Oil and Gas Supervisor

By J. L. HARDOIN, Deputy Supervisor

A copy of this report and the proposal must be posted at the well site prior to commencing operations.  
Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

DIVISION OF OIL AND GAS  
Notice of Intention to Drill New Well

0/6

C.E.Q.A. INFORMATION			
EXEMPT CLASS <input checked="" type="checkbox"/>	NEG. DEC. <input type="checkbox"/>	E.I.R. <input type="checkbox"/>	DOCUMENT NOT REQUIRED BY LOCAL JURISDICTION <input type="checkbox"/>
	S.C.H. NO. _____	S.C.H. NO. _____	
See Reverse Side			

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
128	111	4-1-80	Blank	4-1-80	4-1-80

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. 29, API No. 037-22648,  
(Assigned by Division)

Sec. 19, T. 4S, R. 13W, S.B.B. & M., Torrance Field, Los Angeles County.

Legal description of mineral-right lease, consisting of 103 acres, is as follows: \_\_\_\_\_  
(Attach map or plat to scale)

Map of Sanitation District Unit previously submitted.

Do mineral and surface leases coincide? Yes \_\_\_\_\_ No X. If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well 131 feet North along section / property line and 57 feet East  
(Direction) (Cross out one) (Direction)

at right angles to said line from the Southwest corner of section / property which is xxxx  
(Cross out one)

the North East corner of Main Street and the AT & SF right-of-way.

Is this a critical well according to the definition on the reverse side of this form? Yes ☒ No ☐

If well is to be directionally drilled, show proposed coordinates (from surface location) at total depth:  
1082 feet North and 632 feet West  
(Direction) (Direction)

Elevation of ground above sea level 38 feet.

All depth measurements taken from top of Kelly Bushings that is 12 feet above ground.  
(Derrick Floor, Rotary Table, or Kelly Bushing)

## PROPOSED CASING PROGRAM

SIZE OF CASING INCHES API	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING (Linear Feet)
10-3/4"	40.5	J-55	Surf	600'	600'	
7 "	23#	K-55	Surf	3860'	3860'	1860'
5 "	18#		3790'	3970'	Wire wrapped screen liner w/0.012" slots gravel packed	

(A complete drilling program is preferred and may be submitted in lieu of the above program.)

Intended zone(s) of completion Ranger 3470' - 1200 psi Estimated total depth 3975'  
(Name, depth, and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Name of Operator <u>XTRA ENERGY CORPORATION</u>		Type of Organization (Corporation, Partnership, Individual, etc.) <u>Corporation</u>	
Address <u>717 Walton Street</u>		City <u>Signal Hill, CA</u>	Zip Code <u>90806</u>
Telephone Number <u>(213)424-8549</u>	Name of Person Filing Notice <u>John D. Carmichael</u>	Signature <u>John D. Carmichael</u>	Date <u>3-29-82</u>

This notice and indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

Information for compliance with the California Environmental Quality Act of 1970 (C.E.Q.A.).

If an environmental document has been prepared by the lead agency, please submit a copy of the document with this notice or supply the following information:

Lead Agency: CITY OF CARSON

Lead Agency Contact Person: Joel Miller

Address: P. O. Box 6234

CARSON, CA 90749

Phone: (213) 830-7600

APR 1 12 49 PM '82  
DIV. 5  
LONG. 1  
40 GAS  
OH. CA.

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District review of environmental document (if applicable)? Yes ☐ No ☐

Remarks:

CRITICAL WELL

As defined in the California Administrative Code, Title 14, Section 1720(a), "Critical well" means a well within:

(1) 300 feet of the following:

(A) Any building intended for human occupancy that is not necessary to the operation of the well; or

(B) Any airport runway.

(2) 100 feet of the following:

(A) Any dedicated public street, highway, or nearest rail of an operating railway that is in general use;

(B) Any navigable body of water or watercourse perennially covered by water;

(C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground, or any other area of periodic high-density population; or

(D) Any officially recognized wildlife preserve.

Exceptions or additions to this definition may be established by the supervisor upon his own judgment or upon written request of an operator. This written request shall contain justification for such an exception.

XTRA ENERGY CORPORATION

PROGRAM FOR DRILLING

WELL No. 29 (I-15)

Reference Point: KB which is 12' above G. E.  
Location: Lambert Coordinates N-4,041,448 E-4,204,632  
Elevation: 38' GE + 12' KB = 50'

Proposed Casing Program:

10-3/4" 40.5 # to be cemented at 600'  
7 " 23 # to be cemented at 3860'  
5 " 18 # to be hung at 3975', top @ 3790'.

Perfs: 3870' to 3970' Wire wrapped pipeless Johnson Screen liner with  
0.012" slots.

Proposed Hole Size:

0' to 600' 14-3/4" hole  
600' to 3860' 9-7/8" hole  
3860' to 3975' 6-1/4" hole to be underreamed to 12".

Proposed Total Depth: 3975'

Directional Program

Deflect hole at 1000' and increase inclination at 3°/100' in a N30°15'W direction to 33° at 2112' (T.V.D. - 2050'). Maintain 33° inclination to total depth of 3975'. Target is a 100' diameter circle with its center 1082' North and 631' West of the surface site. A total displacement of 1253'.

Mud Program

1. For drilling from surface to 600', use a safe fresh water clay base mud.
2. For drilling from 600' to 3860', use a fresh water clay base mud with the following properties.

a.	Weight	72 - 74#/CF
b.	Fluid loss	5cc
c.	P.V.	8 - 14
d.	YP	4 - 6
e.	Funnel vis	38 - 42"
f.	Solids	10%

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LOS ANGELES, CALIF.



3. For underreaming 6-1/4" hole to 12", use a polymer mud with the following properties.

a.	Weight	72#/CF
b.	P.V.	12 - 18
c.	YP	20 - 36
d.	Funnel vis	34 - 38"
e.	Solids	Minimum
f.	KCl (KCl)	4%

#### BOP Requirements

1. Bag type - Hydraulic 10" - 3000. 3000 psi WOG.
2. Ram type - double, hydraulic, 10" - 3000, 3000 psi WOG.
3. Accumulator - 80 gallon with dual controls.

#### Program

1. Install 16" conductor pipe to  $\pm$  40'.
2. Move in and rig up rotary equipment.
3. Drill 14-3/4" hole to 600'. Take single shots every 100'.
4. Run 10-3/4", 40.5#, J-55 casing to 600'. Casing to be fitted with B & W stab-in shoe and centralizers on 1st, 2nd and 3rd joints. Cement 10-3/4" casing to surface with 205 sacks of API class "G" cement mixed 1:1 with peralites, 2% Gel plus 2% CaCl<sub>2</sub>, followed by enough "G" cement to get returns to the surface. Tail slurry to be mixed with 2% CaCl<sub>2</sub>.
5. Install wellhead and BOP. Representative of D.O.G. to witness pressure test of B.O.P.
6. Run 9-7/8" bit and clean out to 600'. Drill 9-7/8" hole to 3860'. Reduce hole size to 6-1/4" and drill to 3975'.
7. Run Induction electric log from total depth to the shoe of the 10-3/4" casing. Use 30 ohm scale. Two field prints are required including one with 5" scale.
8. Run 7", 23#, K-55 casing to 3860'. Casing to be fitted with B & W Basket Shoe and B & W fill up collar 2 joints above shoe. Centralizers to be installed on 1st, 2nd, 4th and 6th joints above shoe. Cement 7" casing with the following: 300 linear feet of weighted mud sweep followed by 275 sacks of "G" cement mixed 1:1:4 (Class "G", perlites, gel) followed by 85 sacks of "G" cement neat. All cement to be mixed with 2% CaCl<sub>2</sub>. Land casing.

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LOS ANGELES, CALIF.

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9. After 24 hours, clean out cement to 3850' (+ 10' above shoe). Run combination jet perforator and casing tester. Shoot 4 holes as directed and test water shut off. Results of WSO test to be witnessed by representative of California Division of Oil and Gas.
10. Run 6-1/4" bit, drill out shoe at 3860' and clean out to 3975'.
11. Change over to Polymer completion fluid.
12. Underream 6-1/4" hole to 12" from the 7" casing shoe to total depth. Run Caliper Log.
13. Make up and run 5" 18#, K-55 liner as directed.
14. Gravel pack 5" x 12" annulus with + 70 CF of 20 - 40 mesh gravel.
15. Displace Polymer mud in hole with salt water and close in.
16. Move out rotary equipment.

No.29 (I-15)

JDC:sc

3-26-82

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LONG BEACH, CA.